

Table 6.1 GAMMA, DIGAMMA AND TRIGAMMA FUNCTIONS

x	$\Gamma(x)$	$\ln \Gamma(x)$	$\psi(x)$	$\psi'(x)$	
1.250	0.90640 24771	-0.09827 18364	-0.22745 35334	1.19732 91545	0.250
1.255	0.90538 57663	-0.09939 41651	-0.22148 34266	1.19072 50579	0.255
1.260	0.90439 71178	-0.10048 67254	-0.21554 61686	1.18418 94799	0.260
1.265	0.90343 62946	-0.10154 96809	-0.20964 14193	1.17772 14030	0.265
1.270	0.90250 30645	-0.10258 31932	-0.20376 88437	1.17131 98301	0.270
1.275	0.90159 71994	-0.10358 74224	-0.19792 81118	1.16498 37821	0.275
1.280	0.90071 84765	-0.10456 25269	-0.19211 88983	1.15871 22990	0.280
1.285	0.89986 66769	-0.10550 86634	-0.18634 08828	1.15250 44385	0.285
1.290	0.89904 15863	-0.10642 59872	-0.18059 37494	1.14635 92764	0.290
1.295	0.89824 29947	-0.10731 46519	-0.17487 71870	1.14027 59053	0.295
1.300	0.89747 06963	-0.10817 48095	-0.16919 08889	1.13425 34350	0.300
1.305	0.89672 44895	-0.10900 66107	-0.16353 45526	1.12829 09915	0.305
1.310	0.89600 41767	-0.10981 02045	-0.15790 78803	1.12238 77175	0.310
1.315	0.89530 95644	-0.11058 57384	-0.15231 05782	1.11654 27706	0.315
1.320	0.89464 04630	-0.11133 33587	-0.14674 23568	1.11075 53246	0.320
1.325	0.89399 66866	-0.11205 32100	-0.14120 29305	1.10502 45678	0.325
1.330	0.89337 80535	-0.11274 54356	-0.13569 20180	1.09934 97037	0.330
1.335	0.89278 43850	-0.11341 01772	-0.13020 93416	1.09372 99497	0.335
1.340	0.89221 55072	-0.11404 75756	-0.12475 46279	1.08816 45379	0.340
1.345	0.89167 12485	-0.11465 77697	-0.11932 76069	1.08265 27136	0.345
1.350	0.89115 14420	-0.11524 08974	-0.11392 80127	1.07719 37361	0.350
1.355	0.89065 59235	-0.11579 70951	-0.10855 55827	1.07178 68773	0.355
1.360	0.89018 45324	-0.11632 64980	-0.10321 00582	1.06643 14226	0.360
1.365	0.88973 71116	-0.11682 92401	-0.09789 11840	1.06112 66696	0.365
1.370	0.88931 35074	-0.11730 54539	-0.09259 87082	1.05587 19286	0.370
1.375	0.88891 35692	-0.11775 52707	-0.08733 23825	1.05066 65216	0.375
1.380	0.88853 71494	-0.11817 88209	-0.08209 19619	1.04550 97829	0.380
1.385	0.88818 41041	-0.11857 62331	-0.07687 72046	1.04040 10578	0.385
1.390	0.88785 42918	-0.11894 76353	-0.07168 78723	1.03533 97036	0.390
1.395	0.88754 75748	-0.11929 31538	-0.06652 37297	1.03032 50881	0.395
1.400	0.88726 38175	-0.11961 29142	-0.06138 45446	1.02535 65905	0.400
1.405	0.88700 28884	-0.11990 70405	-0.05627 00879	1.02043 36002	0.405
1.410	0.88676 46576	-0.12017 56559	-0.05118 01337	1.01555 55173	0.410
1.415	0.88654 89993	-0.12041 88823	-0.04611 44589	1.01072 17518	0.415
1.420	0.88635 57896	-0.12063 68406	-0.04107 28433	1.00593 17241	0.420
1.425	0.88618 49081	-0.12082 96505	-0.03605 50697	1.00118 48640	0.425
1.430	0.88603 62361	-0.12099 74307	-0.03106 09237	0.99648 06113	0.430
1.435	0.88590 96587	-0.12114 02987	-0.02609 01935	0.99181 84147	0.435
1.440	0.88580 50635	-0.12125 83713	-0.02114 26703	0.98719 77326	0.440
1.445	0.88572 23397	-0.12135 17638	-0.01621 81479	0.98261 80318	0.445
1.450	0.88566 13803	-0.12142 05907	-0.01131 64226	0.97807 87886	0.450
1.455	0.88562 20800	-0.12146 49657	-0.00643 72934	0.97357 94874	0.455
1.460	0.88560 43364	-0.12148 50010	-0.00158 05620	0.96911 96215	0.460
1.465	0.88560 80495	-0.12148 08083	+0.00325 39677	0.96469 86921	0.465
1.470	0.88563 31217	-0.12145 24980	0.00806 64890	0.96031 62091	0.470
1.475	0.88567 94575	-0.12140 01797	0.01285 71930	0.95597 16896	0.475
1.480	0.88574 69646	-0.12132 39621	0.01762 62684	0.95166 46592	0.480
1.485	0.88583 55520	-0.12122 39528	0.02237 39013	0.94739 46509	0.485
1.490	0.88594 51316	-0.12110 02585	0.02710 02758	0.94316 12052	0.490
1.495	0.88607 56174	-0.12095 29852	0.03180 55736	0.93896 38700	0.495
1.500	0.88622 69255	-0.12078 22376	0.03648 99740	0.93480 22005	0.500
	$y!$	$\ln y!$	$* \frac{d}{dy} \ln y!$	$* \frac{d^2}{dy^2} \ln y!$	//
	$\left[\begin{matrix} (-6)4 \\ 5 \end{matrix} \right]$	$\left[\begin{matrix} (-6)4 \\ 4 \end{matrix} \right]$	$\left[\begin{matrix} (-6)4 \\ 5 \end{matrix} \right]$	$\left[\begin{matrix} (-6)9 \\ 5 \end{matrix} \right]$	

$\log_{10} e=0.43429 44819$

*See page II.